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PPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/828,250	04/21/2004	Wayne Ernest Conrad	12811-402/PMdC	6318	
1059	7590 08/18/2004		EXAMINER		
BERESKIN AND PARR			SNIDER, THERESA T		
SCOTIA PLAZA 40 KING STREET WEST-SUITE 4000 BOX 401			ART UNIT	JNIT PAPER NUMBER	
TORONTO,	ON M5H 3Y2		1744		
CANADA			DATE MAILED: 08/18/2004	4	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Action Comment	10/828,250	CONRAD ET AL.	9
Office Action Summary	Examiner	Art Unit	
	Theresa T Snider	1744	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the	correspondence addres	S
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	mely filed ys will be considered timely. n the mailing date of this commu ED (35 U.S.C. § 133).	nication.
Status			
1) Responsive to communication(s) filed on			
	action is non-final.		
3) Since this application is in condition for allowan	ice except for formal matters, pr	osecution as to the me	rits is
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-23 is/are pending in the application.			
4a) Of the above claim(s) is/are withdraw	vn from consideration.		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>1-23</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/or	election requirement.		
Application Papers			
9)⊠ The specification is objected to by the Examiner	·.		
10)⊠ The drawing(s) filed on 21 April 2004 is/are: a)[by the Examiner.	
Applicant may not request that any objection to the c	•	•	
Replacement drawing sheet(s) including the correction	on is required if the drawing(s) is ob	jected to. See 37 CFR 1.	121(d).
11)☐ The oath or declaration is objected to by the Exa	aminer. Note the attached Office	Action or form PTO-1	52.
Priority under 35 U.S.C. § 119			
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:)-(d) or (f).	
1. Certified copies of the priority documents2. Certified copies of the priority documents		ion No	
3. Copies of the certified copies of the priori			.0
application from the International Bureau		ed in this Ivational Stay	E
* See the attached detailed Office action for a list of		ed.	
	, and the second		
Attachment(s)			
) X Notice of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate	
B) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	6) Other:	atent Application (PTO-152)	

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DETAILED ACTION

Drawings

- 1. The drawings are objected to because figure 1 has two '18's with one of the '18's not having a lead line. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.
- 2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 82(figure 1 and 15) and 84,86,88(figure 15). Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing

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on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

3. The disclosure is objected to because of the following informalities:

Exemplary of such:

Page 7, line 22, there is no brief description for Figure 15.

Page 11, line 17, '56' (second occurrence) should be replaced with '50'.

Page 12, line 22, 'a' should be replaced with 'the'.

Appropriate correction is required.

4. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required: It is unclear as to where in the specification is disclosed the subject matter from claims 2-5, 10-13 and 17-21. It is believed that these claims are supported by figure 3.

Claim Rejections - 35 USC § 112

5. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

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6. Claims 1-15 and 22-23 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. It is unclear as to where in the specification is disclosed that the passage connecting the first and second and stages 'is configured to inhibit settling out of particulate matter from the air stream'(claim 1) and 'is substantially free of dead spaces'(claim 9) and the further limitations of the passage as set forth in the dependent claims. It appears that the only disclosure of the passage is on page 14, lines 8-9, which simply discloses the presence of a conduit.

- 7. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 8. Claims 17-23 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Exemplary of such:

Claims 17-23, line 2, 'the passage' lacks proper antecedent basis.

Claim Rejections - 35 USC § 102

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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Claims 1-23 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Davis.Davis discloses a dirty air inlet (col. 3, lines 49-50).

Davis discloses a source of suction (fig. 2, #83).

Davis discloses a first cyclonic cleaning stage having an inlet and outlet (fig. 2, #11,30). Davis discloses a second cyclonic cleaning stage in series with the first cyclonic cleaning stage having a plurality of second stage cyclones (fig., 2, #12,52-57).

Davis discloses a passage connecting the first and second cyclonic cleaning stages, the passage configured to inhibit settling out of particulate matter (fig. 2, #37).

With respect to claims 2-8, 10-15 and 17-23, please refer to fig. 2, #37.

Double Patenting

Claim 19 of this application conflicts with claim 74 of Application No. 09/679,353. 37 CFR 1.78(b) provides that when two or more applications filed by the same applicant contain conflicting claims, elimination of such claims from all but one application may be required in the absence of good and sufficient reason for their retention during pendency in more than one application. Applicant is required to either cancel the conflicting claims from all but one application or maintain a clear line of demarcation between the applications. See MPEP § 822.

Conclusion

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Pootjes and Fumagalli disclose a multistage cyclonic separating system. Stroud discloses a dust collector having a dirty air inlet, a first cyclonic cleaning stage with an inlet and

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an outlet having a cyclone, a second cyclonic cleaning stage with an inlet and an outlet positioned in series with the first cyclonic cleaning stage wherein the second cyclonic cleaning stage has a plurality of second stage cyclones and a passage connecting the first cyclonic cleaning stage outlet with the second cyclonic cleaning stage inlet, wherein the passage does not increase in cross-sectional area in a downstream direction, absent a suction source.

13. This is a continuation of applicant's earlier Application No. 09/679,353. All claims are drawn to the same invention claimed in the earlier application and could have been finally rejected on the grounds and art of record in the next Office action if they had been entered in the earlier application. Accordingly, **THIS ACTION IS MADE FINAL** even though it is a first action in this case. See MPEP § 706.07(b). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no, however, event will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Theresa T Snider whose telephone number is (571) 272-1277. The examiner can normally be reached on Monday-Thursday (5:30am-2:00pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert J. Warden can be reached on (571) 272-1281. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shown J. Dride

Theresa T Snider Primary Examiner Art Unit 1744

8/17/2004

THERESAT. SNIDER PRIMARY EXAMINER